CLAIMS

What is claimed is:

1. A method for forming a wiring bond pad utilized in wire bonding operations on an integrated circuit device, said method comprising the steps of:

configuring a wiring bond pad to comprise a single metal layer; and

positioning at least one integrated circuit device below said wiring bond pad to thereby conserve integrated circuit space and improve wiring bond pad efficiency as a result of configuring said wiring bond pad as a single metal layer wiring bond pad.

2. The method of claim 1 wherein the step of configuring a wiring bond pad to comprise a single metal layer, further comprises the step of:

configuring said wiring bond pad as a single metal layer wiring bond pad.

3. The method of claim 1 wherein the step configuring a wiring bond pad to comprise a single metal layer, further comprises the step of:

configuring said wiring bond pad/to comprise said single metal layer, wherein said single metal layer is located above a plurality of intermetal dielectric layers.

4. The method of claim 3 further comprising the step of:

locating said at least one integrated circuit device below said plurality of intermetal dielectric layers.

- 5. The method of claim 4 wherein said single metal layer comprises a metal-8 layer.
- 6. The method of claim 4 wherein said plurality of intermetal dielectric layers comprises IMD-1 to IMD-7 layers.
- 7. The method of claim 6 wherein said metal-8 layer comprises a copper layer.
- 8. The method of claim 1 wherein said single metal layer comprises a copper layer.

9. The method of claim 8 further comprising the step of:

forming a layer of aluminum film above said single metal layer.

- 10. The method of claim 9 wherein said layer of aluminum film formed above said single metal layer comprises a layer having a thickness in a range of and including 10KÅ to 20KÅ.
- 11. The method of claim 9 wherein said single metal layer comprises a copper layer having a thickness of approximately 10KÅ.
- 12. The method of claim/11 wherein said layer of aluminum film above said single metal layer comprises a buffer and bonding layer.
- 13. A wiring bond pad apparatus utilized in wire bonding operations on an integrated circuit device, wherein said wiring bond pad apparatus comprises:
- a wiring bond pad configured to comprise a single metal layer; and



at least one integrated circuit device positioned below said wiring bond pad to thereby conserve integrated circuit space and improve wiring bond pad efficiency as a result of configuring said wiring bond pad as a single metal layer wiring bond pad.

- 14. The wiring bond pad apparatus of claim 13 wherein said wiring bond pad is configured as a single metal layer wiring bond pad.
- 15. The wiring bond pad apparatus of claim 13 wherein said single metal layer is located above a plurality of intermetal dielectric layers.
- 16. The wiring bond pad apparatus of claim 15 wherein said at least one integrated circuit device is located below said plurality of intermetal dielectric layers.
- 17. The wiring bond pad apparatus of claim 16 wherein said single metal layer comprises a metal-8 layer.
- 18. The wiring bond pad apparatus of claim 16 wherein said plurality of intermetal dielectric layers comprises IMD-1 to IMD-7 layers.
- 19. The wiring bond pad apparatus of claim 18 wherein said metal-8 layer comprises a copper layer.

- 20. The wiring bond pad apparatus of claim 13 wherein said single metal layer comprises a copper layer.
- 21. The wiring bond pad apparatus of claim 20 wherein a layer of aluminum film is formed above said single metal layer.
- 22. The wiring bond pad apparatus of claim 21 wherein said layer of aluminum film formed above said single metal layer comprises a layer having a thickness in a range of and including 10KÅ to 20KÅ.
- 23. The wiring bond pad apparatus of claim 21 wherein said single metal layer comprises a copper layer having a thickness of approximately 10KÅ.
- 24. The wiring bond pad apparatus of claim 23 wherein said layer of aluminum film above said single metal layer comprises a buffer and bonding layer.

